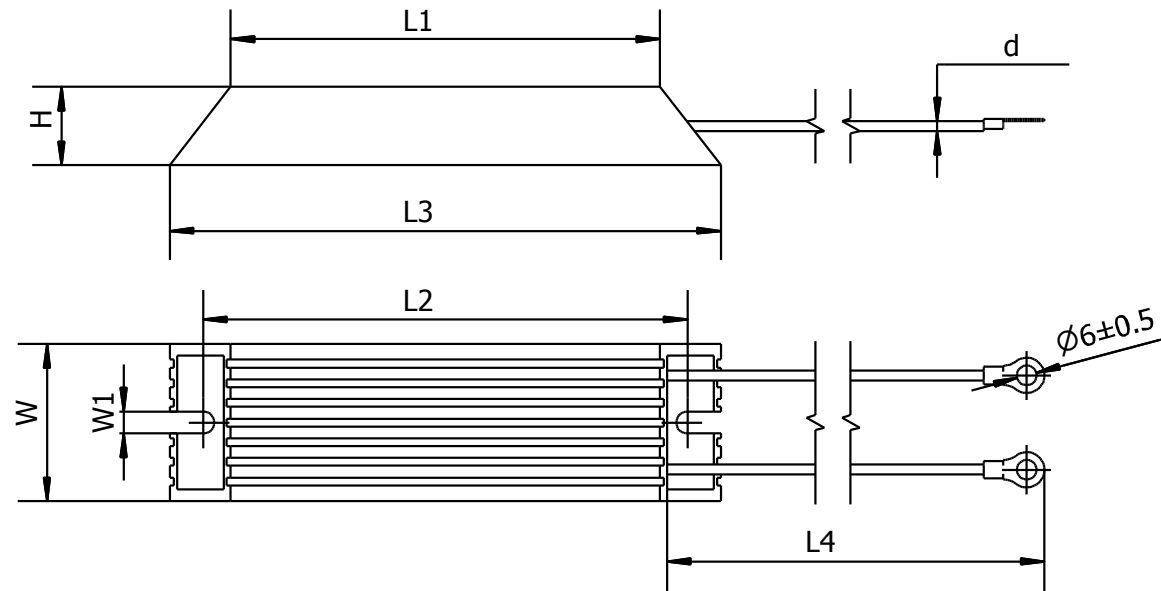


●特点 Features:

- 1、金属铝壳包封, 散热性能好、适合散热板安装, 可长期在恶劣环境下使用。Aluminum crust surface with good performance in heat radiation, suitable for cooling plate installation, can be used in the atrocious environment.
- 2、体积小、功率负荷大 Small size, high power load.
- 3、绝缘性高, 采用阻燃无机材料一体化安装, 抗振性好 High insulating capacity, encapsulation by non-flame inorganic Material, good performance in vibration.
- 4、多种接线方式, 便于安装。Multi connection form will be easily to fix.
- 5、广泛用于电源、变频器、电梯、舞台音响及高端设备行业。Widely used in Power supply, Transducer, Elevator, Arena audio and high requirement equipment Industry.
- 6、精度范围 Resistance tolerance:  $\pm 1\%$ 、 $\pm 2\%$ 、 $\pm 5\%$ 、 $\pm 10\%$ .

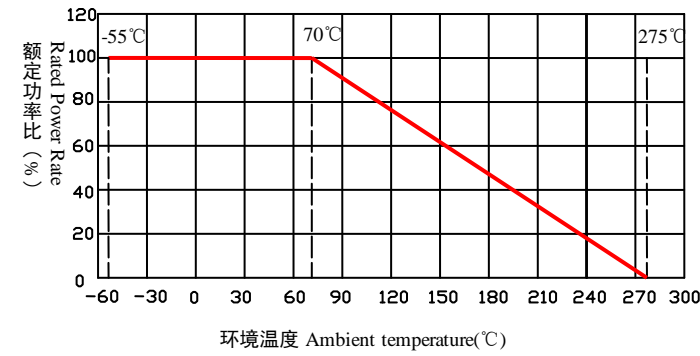


●规格尺寸及耐压性能 Dimensions and Voltage Performance:

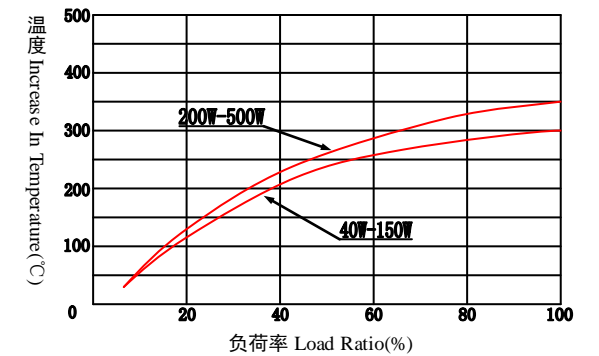
料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions(mm)								最高使用电压 Max. working Voltage	最高负荷电压 Max. overload Voltage	耐压 Withstand Voltage
			L1±1	L2±1	L3±1	L4±10	H±1	W±1	W1±0.5	d±0.2			
TRX40B	40W	0R1~7K	75	90	100	200	18	30	5.6	2.51	300V	300V	450V
TRX60B	60W	0R1~9K	84	98	115	200	18	30	5.6	2.51	400V	400V	600V
TRX80B	80W	0R1~22K	109	123	140	200	20	40	5.6	3.44	500V	500V	450V
TRX100	100W	0R1~31K	134	148	165	200	20	40	5.6	3.44	600V	600V	900V
TRX120	120W	0R1~34K	155	170	185	200	20	40	5.6	3.44	700V	700V	1000V
TRX150	150W	0R1~40K	184	198	215	200	20	40	5.6	3.44	900V	900V	1300V
TRX200	200W	0R1~46K	119	147	165	300	30	60	5.6	3.44	1000V	1000V	1450V
TRX250	250W	0R1~46K	119	147	165	300	30	60	5.6	3.44	1000V	1000V	1450V
TRX300	300W	0R1~72K	184	212	230	300	30	60	5.6	3.44	1500V	1500V	2200V
TRX350	350W	0R1~72K	184	212	230	300	30	60	5.6	3.44	1500V	1500V	2200V
TRX400	400W	0R1~79K	219	247	265	300	30	60	5.6	3.44	1600V	1600V	2300V
TRX500	500W	0R1~100K	289	317	335	300	30	60	5.6	3.44	1600V	1600V	2300V

备注 Note: 功率及尺寸可以根据客户的需求定做。The Power and dimension can be especially customized for customers.

●额定功率递减图 Rated Power Derating Curve:



●表面温升 Surface Temperature Rise:



●性能测试 Performance Test:

测试项目 Test Item	测试条件 Test Condition	性能 Performance
温度系数 Temperature coefficient	在常温及常温+100°C时分别测量电阻值并计算每度的阻值变化率。Test the resistance value at normal temperature added 100°C, calculate per °C resistance value rate.	$\pm 300 \text{ppm}/^\circ\text{C}$
短时间过负荷 Short time overload	施加 10 倍额定功率的电压 ( $\sqrt{10}PR$ ) 或最高负荷电压 (取较小者) 5 秒。According 10 times rated power to account the voltage ( $\sqrt{10}PR$ ) or max. overload voltage (get the lower) for 5 seconds.	$\Delta R \leq \pm (2\%R_0 + 0.05\Omega)$
耐焊接热 Resistance to soldering heat	在 $350 \pm 10^\circ\text{C}$ 的锡炉中浸入 2~3 秒。Immerge into the $350 \pm 10^\circ\text{C}$ tin stove for 2~3 seconds.	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$
可焊性 Solderability	在 $260 \pm 5^\circ\text{C}$ 的锡炉中浸入 2~3 秒。Immerge into the $260 \pm 5^\circ\text{C}$ tin stove for 2~3 seconds.	焊锡面积覆盖 95% 以上 The area of soldering is over 95%
温度循环 Temperature cycling	在 $-55^\circ\text{C}$ 时放置 30 分钟, 然后再 $+25^\circ\text{C}$ 时放置 10~15 分钟, 然后再在 $+275^\circ\text{C}$ 时放置 30 分钟, 然后再在 $+25^\circ\text{C}$ 时放置 10~15 分钟, 共循环 5 次。At $-55^\circ\text{C}$ for 30 min, then at $+25^\circ\text{C}$ for 10~15 min, then at $+275^\circ\text{C}$ for 30 min, then at $+25^\circ\text{C}$ for 10~15 min, total 5 cycles.	$\Delta R \leq \pm (1\%R_0 + 0.05\Omega)$
耐湿负荷寿命 Load life in humidity	在温度为 $40 \pm 2^\circ\text{C}$ , 相对湿度为 90~95% 的恒温恒湿箱中, 施加额定电压或最大工作电压 (取较小者) 共 1000 小时 (通 1.5 小时, 断 0.5 小时)。Overload rated voltage or Max. working voltage (get the lower) for 1000 hours (1.5 hours on and half-hours off) at the $40 \pm 2^\circ\text{C}$ and 90~95% relative humidity.	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$
耐温负荷寿命 Load life in heat	在 $70 \pm 2^\circ\text{C}$ 恒温恒湿箱中施加额定电压或最大工作电压 (取较小者) 1000 小时 (通 1.5 小时, 断 0.5 小时)。Overload rated voltage or Max. working voltage (get the lower) for 1000 hours (1.5 hours on and half-hours off) at the $70 \pm 2^\circ\text{C}$ .	$\Delta R \leq \pm (5\%R_0 + 0.05\Omega)$
引出端强度 Terminal strength	拉力 Pull: 10N	$\Delta R \leq \pm (2\%R_0 + 0.1\Omega)$
振动 Vibration	频率 Frequency: 10~55Hz, 振幅 Swing: 0.75mm, 测试时间 Test time: 6Hours	$\Delta R \leq \pm (2\%R_0 + 0.1\Omega)$
不燃性 Nonflammability	分别按 5、10、16 倍额定功率加交流负荷 5 分钟。Respectively load AC voltage by 5, 10, 16 times rated power for 5 min.	不可有明显火焰 No visible flame

●料号规则 Part No. Regulation:

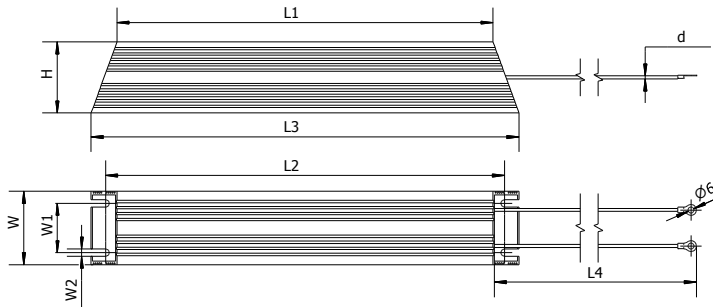
TRX	60B	J	0	AT01	10R00
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
梯形铝壳电阻器 Trapezium Aluminum Housed Wirewound Resistors	40B=40W 100=100W 60B=60W 400=400W 500=500W	F= $\pm 1\%$ G= $\pm 2\%$ J= $\pm 5\%$ K= $\pm 10\%$		40W-60W: AT01 80W-150W: AT02 200W-500W: AT03	0R100=0.1Ω 0R220=0.22Ω 10R00=10Ω 10K00=10KΩ



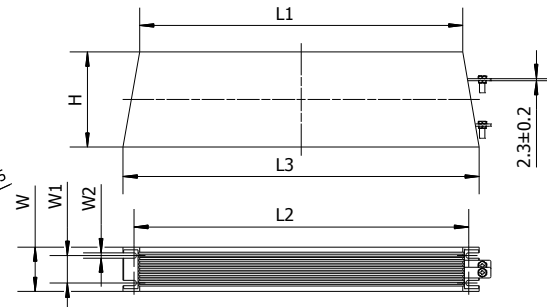
●特点 Features:

- 1、金属铝壳封装，散热性能好、适合散热板安装，可长期在恶劣环境下使用。Aluminum crust surface with good performance in heat radiation,suitable for cooling plate installation, can be used in the atrocious environment.
- 2、体积小、功率负荷大 Small size,high power load.
- 3、绝缘性高，采用阻燃无机材料一体化安装，抗振性好 High insulating capacity,encapsulation by non-flame inorganic Material,good performance in vibration.
- 4、多种接线方式，便于安装。Multi connection form will be easily to fix.
- 5、广泛用于电源、变频器、电梯、舞台音响及高端设备行业。Widely used in Power supply, Transducer, Elevator, Arena audio and high requirement equipment Industry.
- 6、精度范围 Resistance tolerance: ±1%、±2%、±5%、±10%.

TRX600W-800W:



TRX1000W-2000W:



●规格尺寸及耐压性能 Dimensions and Voltage Performance :

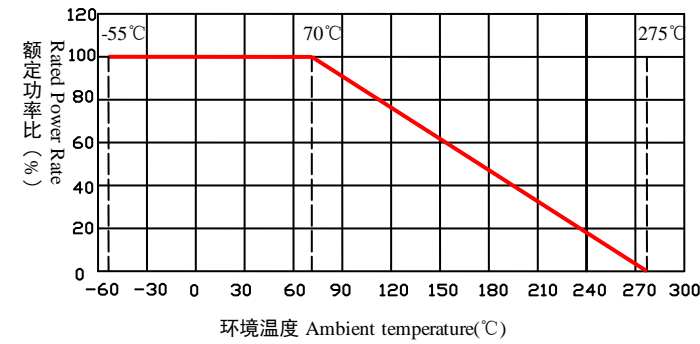
料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions(mm)									最高使用电压 Max. working Voltage	最高负荷电压 Max. overload Voltage	耐电压 Withstand Voltage
			L1±1	L2±1	L3±1	L4±10	H±1	W±1	W1±0.5	W2±0.5	d±0.5			
TRX600	600W	0R1~278K	313	337	355	300	59	61	41	6	4	1700V	1700V	2400V
TRX800	800W	0R1~329K	358	382	400	300	59	61	41	6	4	1800V	1800V	2550V

●规格尺寸及耐压性能 Dimensions and Voltage Performance :

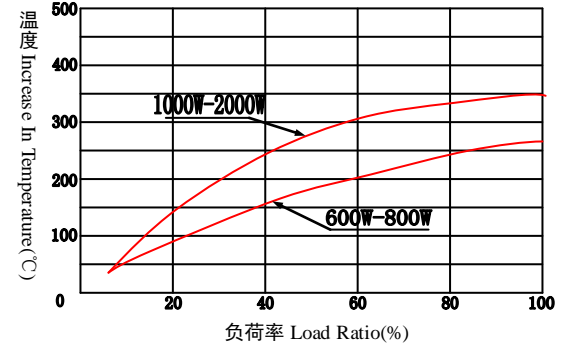
料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions(mm)							最高使用电压 Max. working Voltage	最高负荷电压 Max. overload Voltage	耐电压 Withstand Voltage
			L1±2	L2±2	L3±2	H±1	W±1	W1±0.5	W2±0.5			
TRXA00	1000W	0R1~293K	362	384	400	107	50	30	6.0	2000V	2000V	2850V
TRXA20	1200W	0R1~343K	412	434	450	107	50	30	6.0	2100V	2100V	3000V
TRXA50	1500W	0R1~378K	447	469	485	107	50	30	6.0	2200V	2200V	3100V
TRXA80	1800W	0R1~472K	542	564	580	107	50	30	6.0	2300V	2300V	3300V
TRXB00	2000W	0R1~492K	560	582	600	107	50	30	6.0	2400V	2400V	3500V

备注 Note: 功率及尺寸可以根据客户的需求定做。The Power and dimension can be especially customized for customers.

●额定功率递减图 Rated Power Derating Curve:



●表面温升 Surface Temperature Rise:



●性能测试 Performance Test:

测试项目 Test Item	测试条件 Test Condition	性能 Performance
温度系数 Temperature coefficient	在常温及常温+100℃时分别测量电阻值并计算每度的阻值变化率。Test the resistance value at normal temperature added 100℃,calculate per °C resistance value rate.	±300ppm/°C
短时间过负荷 Short time overload	施加 10 倍额定功率的电压 (√10PR) 或最高负荷电压 (取较小者) 5 秒。According 10 times rated power to account the voltage (√10PR) or max .overload voltage (get the lower)for 5 seconds.	ΔR≤± (2%R <sub>0</sub> +0.05Ω)
耐焊接热 Resistance to soldering heat	在 350±10℃的锡炉中浸入 2~3 秒。Immerge into the 350±10℃ tin stove for 2~3 seconds.	ΔR≤± (1%R <sub>0</sub> +0.05Ω)
可焊性 Solderability	在 260±5℃的锡炉中浸入 2~3 秒。Immerge into the 260±5℃ tin stove for 2~3 seconds.	焊锡面积覆盖 95%以上 The area of soldering is over 95%
温度循环 Temperature cycling	在-55℃时放置 30 分钟，然后再+25℃时放置 10~15 分钟，然后再在+275℃时放置 30 分钟，然后再在+25℃时放置 10-15 分钟，共循环 5 次。At -55℃ for 30 min,then at +25℃ for 10~15 min,then at +275℃ for 30 min,then at +25℃ for 10~15min, total 5 cycles.	ΔR≤± (1%R <sub>0</sub> +0.05Ω)
耐湿负荷寿命 Load life in humidity	在温度为 40±2℃，相对湿度为 90~95%的恒温恒湿箱中，施加额定电压或最大工作电压 (取较小者) 共 1000 小时 (通 1.5 小时，断 0.5 小时)。Overload rated voltage or Max. working voltage(get the lower) for 1000 hours (1.5 hours on and half-hours off) at the 40±2℃ and 90~95% relative humidity.	ΔR≤± (5%R <sub>0</sub> +0.05Ω)
耐温负荷寿命 Load life in heat	在 70±2℃恒温恒湿箱中施加额定电压 或最大工作电压 (取较小者) 1000 小时 (通 1.5 小时，断 0.5 小时)。Overload rated voltage or Max. working voltage(get the lower)m for 1000 hours (1.5 hours on and half-hours off) at the 70±2℃.	ΔR≤± (5%R <sub>0</sub> +0.05Ω)
引出端强度 Terminal strength	拉力 Pull:10N	ΔR≤± (2%R <sub>0</sub> +0.1Ω)
振动 Vibration	频率 Frequency:10~55Hz, 振幅 Swing:0.75mm, 测试时间 Test time:6Hours	ΔR≤± (2%R <sub>0</sub> +0.1Ω)
不燃性 Nonflammability	分别按 5、10、16 倍额定功率加交流负荷 5 分钟。Respectively load AC voltage by 5,10,16 times rated power for 5 min.	不可有明显火焰 No visible flame

●料号规则 Part No. Regulation:

TRX	60B	J	0	AT04	10R00
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
梯形铝壳电阻器 Trapezium Aluminum Housed Wirewound Resistors	60B=60W A00=1000W A20=1200W A50=1500W E00=2000W	F=±1% G=±2% J=±5% K=±10%		600W-800W: AT04 1000W-2000W: AT05	0R100=0.1Ω 0R220=0.22Ω 10R00=10Ω 100R0=100Ω 10K00=10KΩ